

WHAT IS CLAIMED IS:

1. A cucurbituril-fullerene complex in which  
cucurbituril and fullerene are coupled with each other  
5 by molecular interaction.

2. A cucurbituril-fullerene complex as claimed in  
claim 1,

characterized in that the weight ratio of  
10 cucurbituril and fullerene is from 1:2 to 2:1.

3. A method for manufacturing a complex, comprising  
cucurbituril and fullerene, comprising the step of  
crushing a mixture of solid-phase cucurbituril and  
15 fullerene.

4. A method for manufacturing a complex as claimed  
in claim 3,

characterized in that the molar ratio of cucurbituril  
20 and fullerene of said mixture is from 1:2 to 2:1.

5. A method for manufacturing a complex as claimed  
in claim 3,

characterized in that said mixture is being crushed  
25 with the rotation speed form 20rpm for about 1 to

10 hours.

6. A method for manufacturing a complex as claimed  
in claim 4,

5 characterized in that said mixture is being crushed  
with the rotation speed form 20rpm for about 1 to  
10 hours.